



"ANTI-HYDRO"

FOR DURABLE CONCRETE

SPECIFY "GUARANTEE"

FOR DURABLE RESULTS

Five Year Maintenance Guarantee
Furnished on Waterproof Concrete,
Dampproof Masonry and Non-dust-
ing Concrete Floor Surface at a
Nominal Charge for Field Inspector
During Installation of the Anti-Hydro.

See Page 3 for Suggested Copy
of Guarantee Paragraph

PRODUCTS

ANTI-HYDRO

Liquid Durability Agent to Integrally
Harden, Waterproof and Internally Cure
Concrete and Mortars
Dampproofs Masonry Above Grade.

ARMORTOP

Applied Liquid Compound to Produce Hard
and Non-dusting Concrete Floor Surface.

ARIDCLEAR

Transparent Dampproofing for Exposed
Masonry Walls Above Grade.

AMURSEAL

Asphaltic Paint for Masonry Walls Below
Grade and Stone Backing
Above Grade.

ARIDTITE

Asphaltic Liquid Bond for Interior of
Masonry Walls Above Grade.

ANTI-HYDRO CALKING COMPOUND

For Calking Windows and Doors and for
Pointing Masonry.

ACCELLO

Anti-freeze and Accelerator for Cement
Mixtures.

ADMIXTURE

Admixture for Increasing Plasticity and
Durability of Concrete.

ANTI-HYDRO WATERPROOFING CO.
265-277 BADGER AVENUE, NEWARK 8, N. J.

ANTI-HYDRO for Integral Waterproofing



General Description

"Anti-Hydro" is a liquid compound which reacts chemically with portland cement. "Anti-Hydro" causes a larger percentage of the cement to hydrate than possible with water alone, and speeds the curing of cement. The result is dense, hard, waterproof concrete or cement masonry of increased compressive and tensile strength, impervious to water, moisture, frost, oils, sugar solutions, alkalis or sea water and resistant to many acids.

Functions of Anti-Hydro

- (1) Waterproofs concrete and mortar.
- (2) Increases plasticity and workability.
- (3) Produces durable concrete against weather.
- (4) As a cement paint, dampproofs and decorates above grade.
- (5) Increases and speeds compressive and tensile strength of mortars and concrete.
- (6) Hardens, cures and makes non-dusting cement floor toppings and monolithic floor slabs.
- (7) Prevents corrosion of steel reinforcing.
- (8) Lowers the freezing point of concrete.
- (9) Creates perfect bond between successive pourings of mortar or concrete.

Reports by Testing Laboratories

Reports of comparative tests made at the following laboratories are available:

National Bureau of Standards; California Institute of Technology; Case School of Applied Science; Columbia University; E. L. Conwell & Co.; Georgia School of Technology; David Kirkaldy Laboratories, London, England; Raymond G. Osborne Laboratories; H. C. Nutting Co.; Pittsburgh Testing Laboratories; University of Michigan; U. S. Engineers.

Hot Weather Caution: Cement finished and other concrete surfaces exposed to the direct rays of the sun at atmospheric temperatures above 85° F. should be finished promptly after placing. As an added precaution keep surface dampened for 24 hours.

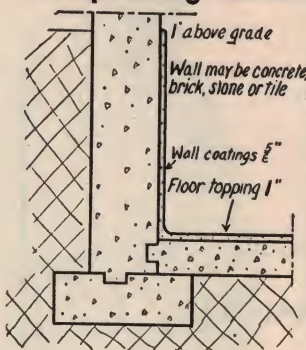
ANTI-HYDRO SPECIFICATIONS Integral Waterproofing of Mass Concrete



with "Anti-Hydro" cement mortar. (See Bonding paragraph.)

For 1:2:4 concrete not over 5½ gals. of water per bag of cement shall be used for gauging and 1 qt. of "Anti-Hydro" shall be added to the mixture with or immediately after the water. Not less than 1½ gals. of "Anti-Hydro" shall be used per cubic yard of concrete. Concrete shall be well spaded when placed. All water must be pumped or drained away from the forms during pouring and for 24 hours thereafter. All joints shall be keyed and bonded with "Anti-Hydro" grout. All ties or spreaders shall be cut back, grouted and sealed

Waterproofing Cement Wall Coatings



Below Grade—Wall coatings of cement plaster shall be of 1:2 mix and gauged by the addition to the water of 1 gal. of "Anti-Hydro" per barrel (4 bags) of cement. They shall be applied in 2 coats (scratch and finish), shall be ⅝ in. thick from the floor level to at least 1 ft. above grade, and shall be coved at base and bonded to floor and underlying masonry. (See Bonding paragraph.)

Above Grade—Wall coatings shall be mixed and bonded as above, and applied in a single coat, ⅝ in. thick. If followed by a gypsum, lime or insulating plaster or stucco coat, the waterproof coating shall be floated and scratched in two directions after initial set.

Bonding Old and New Concrete

To assure perfect bond to abutting masonry or concrete, all old surfaces shall be roughened thoroughly, cleaned, dampened and slushed. The slush shall be made by gradually stirring ½ to ¾ bag of portland cement into a solution of 1 gal. of "Anti-Hydro" in 3 gals. of water until a thick, creamy consistency is obtained. After applying this slush to the prepared surface, the concrete or mortar shall be placed while the slush is still wet.

Internal Curing for Concrete

All concrete, unless otherwise noted on plans and specifications, shall be internally cured by the addition to the mix of "Anti-Hydro" manufactured by the Anti-Hydro Waterproofing Co. Not less than 1½ gals. of "Anti-Hydro" shall be added per cubic yard of concrete. Use not over 5½ gals. of water per bag of cement for proper consistency.

ANTI-HYDRO QUANTITIES FOR PURPOSES OF ESTIMATING

Kind of work	Quantity Anti-Hydro per bbl. cement	Covering capacity
Waterproofing in mass 1:2:4 concrete.....	1 gal.	⅔ cu. yd. concrete
Waterproofing ⅝-in. plaster coat.....	1 gal.	100 to 125 sq. ft.
Waterproofing 1-in. floor topping.....	1 gal.	100 to 80 sq. ft.
Waterproofing stucco ⅝ in.....	1 gal.	100 sq. ft.
Dampproofing brickwork ⅝-in. joint 1:3.....	1 gal.	1000 brick or 50 cu. ft.
Dampproofing in job mixed cement paint.....	8 gal.	2400 sq. ft.—3 coats
Dampproofing in ⅝-in. cement plaster.....	1 gal.	150 sq. ft.
Hardening cement floor 1-in. topping.....	1 gal.	100 to 80 sq. ft.
Hardening Monolithic Concrete Floors.....	1 gal.	⅔ cu. yd. concrete
Curing Concrete Internally.....	1 gal.	⅔ cu. yd. concrete

ANTI-HYDRO TABLE TO PREVENT MORTAR AND CONCRETE FROM FREEZING

For cold weather work, where no waterproofing is required be sure that sand and aggregate are free of ice.

Proportions of "Anti-Hydro" and water at outside temperatures of
 40° to 28° F. use 1 part "Anti-Hydro" with 15 parts of water
 28° to 25° F. use 1 part "Anti-Hydro" with 12 parts of water
 25° to 15° F. use 1 part "Anti-Hydro" with 10 parts of water
 15° F. or less mechanical heat is necessary

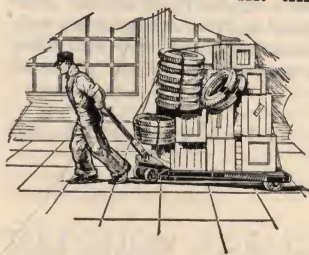
ANTI-HYDRO WATERPROOFING CO.

ANTI-HYDRO SPECIFICATIONS

Hardening, Waterproofing and Internally Curing Concrete Floors

For Monolithic Concrete Floor Slabs—All concrete floor slabs which are not to receive cement topping, shall be hardened, waterproofed, internally cured and rendered non-dusting by the addition to the concrete mix of not less than $1\frac{1}{2}$ gals of "Anti-Hydro" per cubic yard of concrete. The concrete mix shall be 1:2:4; for slabs more than 4 in. thick, the stone or gravel shall not exceed 1 in. in diameter; for slabs less than 4 in. thick, the stone or gravel shall not exceed $\frac{1}{2}$ in. in diameter. Finish with wood float and steel trowel; do not use driers for finish troweling.

For Granolithic Topping Over Concrete Slabs—1:2 mix shall be of 1-in. thickness and shall be hardened, internally cured and waterproofed by the



addition of 1 gal. "Anti-Hydro" per barrel (4 bags) of cement. Proper consistency of the mortar will be obtained by gauging the mixture with not over $3\frac{1}{2}$ gals. of water per bag of cement and 1 qt. of "Anti-Hydro"

added with or immediately after the water. This procedure insures in one operation the double purpose of hardening and waterproofing cement surfaces exposed to wear. Unless the topping is laid while the slab is still green, the topping shall be bonded to underlying concrete according to bonding directions.

Colored Cement Floors—It frequently happens that for architectural purposes a cement floor with color other than gray is desired. Such colored, hard, non-dusting cement floors may be obtained if a dry mineral color is first uniformly mixed with the cement and then this combination of cement and color used instead of ordinary portland cement in the granolithic specifications listed above. In the case of a monolithic floor a considerable quantity of color would be needed. It is advisable therefore, to specify a granolithic finish wherever a colored floor is desired.

DAMPPROOF CEMENT PAINT

Recommended for dampproofing of masonry above grade; seals all pores and defective mortar joints. Always apply to a wet, clean surface. An inexpensive paint that completely covers and seals block walls where dampproof and decorative results are desired. Any color or desired effect may be specified.

Specification: To a solution of 1 gal. of "Anti-Hydro" and 3 gals. of water gradually stir from $\frac{1}{2}$ to $\frac{3}{4}$ bag of fresh portland cement and a half shovelful of screened sand to a creamy consistency. Apply in three coats, with a brush or spray, to the clean, damp masonry, free of whitewash or paint.

WATERPROOF CEMENT MASONRY MORTAR

Specification: The cement mortar used throughout all exterior masonry above grade, including parapets, shall be composed of 1 part portland cement and 3 parts clean, well graded sand, gauged with a solution of 1 part "Anti-Hydro" to each 15 parts of clean water. No lime is needed in this mortar. All brick or masonry units shall be thoroughly wet before laying (except in freezing weather) and bedded in mortar under the entire surface and laid with a shoved end joint. Push-lay all brick. The long and cross joints must be buttered through and each course must be thoroughly slushed. The back of the face brick, the abutting face of the back-up or the inside face of the exterior walls, as directed by the architect, shall be carefully pargeted with this same mortar. This pargeting must be carried completely around all header courses and shall, under no circumstances, be less than $\frac{3}{8}$ in. in thickness.

CALKING LEAKS UNDER PRESSURE

"Anti-Hydro" undiluted, can be added to fresh portland cement to the consistency of a thick paste, for plugging leaks against water pressure in concrete or masonry. Ask for special instructions.

WATERPROOF CEMENT STUCCO

Stucco shall be 1 part portland cement, 3 parts clean, sharp sand, gauged with a solution of 1 part Anti-Hydro and 10 parts of water. Apply in 2 coats to a total thickness of $\frac{5}{8}$ in. Float and scratch first coat in 2 directions. Float finish coat before texturing. For tinted finish add standard mineral color to the dry cement. For applied color follow Dampproof Cement Paint specifications.

MAINTENANCE GUARANTEES

GUARANTEE FOR *WATERPROOFING:—Contractor shall notify the Manufacturer not less than (3) working days before the said "Anti-Hydro" Waterproofing is to be installed in accordance with its specifications and the labor of installation shall be supervised by the Manufacturer. After such supervised installation is completed and final inspection made, the Manufacturer shall issue its guarantee for (5) years covering the **impermeability of the concrete in which its waterproofing has been used as above stated. Final payment shall not be made to the contractor until such a guarantee is delivered to the Architect.

GUARANTEE FOR HARD, NON-DUSTING CEMENT FLOORS—substitute *HARDENING OF CEMENT FLOORS—**hardening and non-dusting qualities of the floor. **GUARANTEE FOR DAMPPROOFING OF CEMENT MASONRY MORTAR**—substitute *DAMPPROOFING OF CEMENT MASONRY MORTAR—**dampproofing of masonry above grade.

OTHER ANTI-HYDRO PRODUCTS

ARMORTOP for Hardening and Non-dusting of Existing Concrete Floors



The complete transformation can be accomplished in the evening after closing hours, by unskilled labor.

Armortop penetrates into the concrete and reacts chemically with the cement, binding the loose disintegrating particles of the dry concrete into a dense, hard mass without changing the appearance of the surface.

The covering capacity of Armortop varies with the density of

Description — Armortop is a liquid which, applied to new or old concrete surfaces, changes soft granular topping into a granite-like mass that resists most severe wear and abrasion without dusting. It saves removal and relaying old floors beginning to rut.

the concrete. One gallon will completely harden from 70 to 150 sq. ft. of floor surface.

A concrete test slab showing the results of Armortop treatment will be sent on request.

Specifications — Upon the clean, dry floor apply a solution of 1 part Armortop and 1 part water in 2 or more coats, depending upon the density of the floor. Allow not less than 4 hours to elapse between applications.

How Shipped—Armortop is shipped in containers of 1 gal., 5 gal., 30 gal. and 55 gal.



ARIDCLEAR, a Transparent Dampproofing for Exterior Masonry Above Grade



Aridclear, a transparent dampproofing, prevents the penetration and absorption of rains into exposed masonry of brick, stone, stucco, or cement. One gallon dampproofs from 70 to 120 sq. ft.

Specifications—Cut out open joints and remove loose mortar. Point up with trowel using cement and sand mortar waterproofed with "Anti-Hydro." To the clean, dry masonry apply two saturating coats of Aridclear with brush or spray. Allow at least 12 hours between coats.

How Shipped—Aridclear is shipped in 1-gal., 5-gal., 30-gal., and 55-gal. containers.

AMURSEAL for Dampproofing Exterior Masonry Walls Below Grade



Amurseal, a black liquid asphaltic paint, may be applied cold with spray or brush to the exterior of foundation walls or exposed concrete. Two coats give a solid, elastic

film. Covering capacity approximately 80 sq. ft. per gallon, single coat; 50 sq. ft. per gallon, two coats.

How Shipped—Amurseal is shipped in drums of 5 gal., 30 gal. and 55 gal.

ARIDTITE for an Asphaltic and Plaster Bonding on Masonry Walls Above Grade



A black liquid asphaltic paint and plaster bond applied cold to the inside surface of exterior walls above the ground in a single coat. Aridtite provides a bond for plaster.

Also used for coating unexposed sides of cut stone. Covering capacity, approximately 80 sq. ft. per gallon, single coat.

How Shipped—Aridtite is shipped in drums of 5 gal., 30 gal. and 55 gal.

ACCELLO, Concrete Accelerator and Anti-Freeze

Description—Accello, a standardized solution of calcium chloride, uniform in quality and strength, is used to accelerate the set of cement in concrete, mortar and floor finish in very cold weather, and to prevent freezing of portland cement mixtures at temperatures as low as 15° F. For temperatures from 32° F. to 15° F.,

use 1 part Accello to 10 parts water. 15° F. or less, mechanical heat is necessary.

How Shipped—Accello is shipped in 55-gal. barrels and 5-gal. drums.

ADMIXTURE, a finely divided silica admix, increases plasticity and durability of concrete.

ELASTIC CALKING COMPOUND

A non-staining compound for calking window and door frames, steel sash, flashings and gutters, and for pointing terra cotta, brick, stone and wood joints.

Made in knife and gun consistency, black or gray.

Directions—Window and Door Frames—Fill dry and clean open-

ings around frames to within ½ in. of surface with oakum. Completely seal openings with "Anti-Hydro" Calking Compound.

Pointing Masonry—Point dry and clean joints with "Anti-Hydro" Calking Compound until flush with surface, using knife or tool.

How Shipped—1-gal., 5-gal., 30-gal. and 55-gal. containers.

DETAILED INFORMATION

Write for complete data and specifications for any work within the scope of "Anti-Hydro" products.

DEALERS EVERYWHERE CARRY STOCK

A complete stock of "Anti-Hydro" products is carried by dealers throughout the country.

The Services of Our Engineers Are Available at All Times

Telephone
Nigelaw 3-3440

ANTI-HYDRO WATERPROOFING CO.

265-277 BADGER AVENUE, NEWARK 8, N. J.

ANTI-HYDRO OF CANADA, LTD., 639-641 Farm Street, Montreal 22, Canada

Established
1904

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